Connecting via Winsock to STN

Welcome to STN International! Enter x:X

LOGINID:ssptajqm1797

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS 1		Web Page for STN Seminar Schedule - N. America
NEWS 2	NOV 21	CAS patent coverage to include exemplified prophetic substances identified in English-, French-, German-, and Japanese-language basic patents from 2004-present
NEWS 3	NOV 26	MARPAT enhanced with FSORT command
NEWS 4	NOV 26	CHEMSAFE now available on STN Easy
NEWS 5	NOV 26	Two new SET commands increase convenience of STN searching
NEWS 6	DEC 01	ChemPort single article sales feature unavailable
NEWS 7	DEC 12	GBFULL now offers single source for full-text coverage of complete UK patent families
NEWS 8	DEC 17	Fifty-one pharmaceutical ingredients added to PS
NEWS 9	JAN 06	The retention policy for unread STNmail messages will change in 2009 for STN-Columbus and STN-Tokyo
NEWS 10	JAN 07	WPIDS, WPINDEX, and WPIX enhanced Japanese Patent Classification Data
NEWS 11	FEB 02	Simultaneous left and right truncation (SLART) added for CERAB, COMPUAB, ELCOM, and SOLIDSTATE
NEWS 12	FEB 02	GENBANK enhanced with SET PLURALS and SET SPELLING
NEWS 13	FEB 06	Patent sequence location (PSL) data added to USGENE
NEWS 14	FEB 10	COMPENDEX reloaded and enhanced
NEWS 15	FEB 11	WTEXTILES reloaded and enhanced
NEWS 16	FEB 19	New patent-examiner citations in 300,000 CA/CAplus patent records provide insights into related prior art
NEWS 17	FEB 19	Increase the precision of your patent queries -- use terms from the IPC Thesaurus, Version 2009.01
NEWS 18	FEB 23	Several formats for image display and print options discontinued in USPATFULL and USPAT2
NEWS 19	FEB 23	MEDLINE now offers more precise author group fields and 2009 MeSH terms
NEWS 20	FEB 23	TOXCENTER updates mirror those of MEDLINE - more precise author group fields and 2009 MeSH terms
NEWS 21	FEB 23	Three million new patent records blast AEROSPACE into STN patent clusters
NEWS 22	FEB 25	USGENE enhanced with patent family and legal status display data from INPADOCDB
NEWS 23	MAR 06	INPADOCDB and INPAFAMDB enhanced with new display formats
NEWS 24	MAR 11	EPFULL backfile enhanced with additional full-text applications and grants
NEWS 25	MAR 11	ESBIOBASE reloaded and enhanced
NEWS 26	MAR 20	CAS databases on STN enhanced with new super role for nanomaterial substances
NEWS 27	MAR 23	CA/CAplus enhanced with more than 250,000 patent equivalents from China

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 NEWS EXPRESS JUNE 27 08 CURRENT WINDOWS VERSION IS V8.3,
              AND CURRENT DISCOVER FILE IS DATED 23 JUNE 2008.

 NEWS HOURS    STN Operating Hours Plus Help Desk Availability
 NEWS LOGIN    Welcome Banner and News Items
 NEWS IPC8     For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that
specific topic.

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  result in loss of user privileges and other penalties.

* * * * * * * * * * * * * * * * STN  Columbus  * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 11:04:41 ON 24 MAR 2009

=> file caslink
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                         ENTRY    SESSION
FULL ESTIMATED COST                                       0.22       0.22

FILE 'CAPLUS' ENTERED AT 11:04:57 ON 24 MAR 2009
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2009 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'MARPAT' ENTERED AT 11:04:57 ON 24 MAR 2009
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FILE 'REGISTRY' ENTERED AT 11:04:57 ON 24 MAR 2009
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
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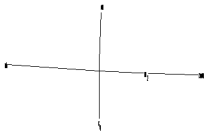
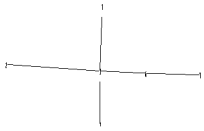
COPYRIGHT (C) 2009 American Chemical Society (ACS)

CLUSTER 'CASLINK' ENTERED

 Predefined command sequences will be executed in
 REGISTRY, MARPAT, and CAPLUS.


=>
Uploading C:\Program Files\STNEXP\Queries\10529897-b.str
```





chain nodes :
1 2 3 5 6 7
chain bonds :
1-2 1-3 1-5 1-6 6-7
exact/norm bonds :
1-2 1-3 1-5
exact bonds :
1-6 6-7

G2:H,CH3,Et,n-Pr,i-Pr,n-Bu,i-Bu,s-Bu,t-Bu

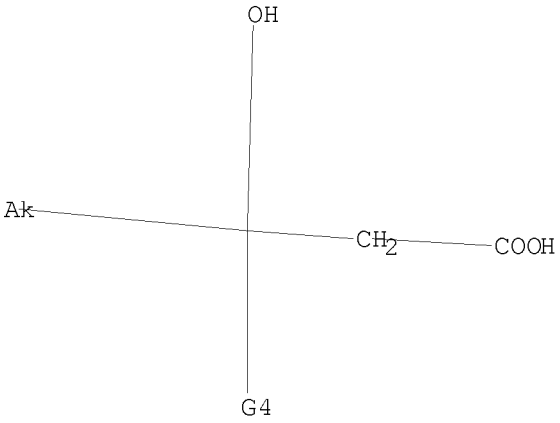
G3:CH3,Et,n-Pr,n-Bu

G4:H,Ak

Match level :
1:CLASS 2:CLASS 3:CLASS 5:CLASS 6:CLASS 7:CLASS

L1   STRUCTURE UPLOADED

=> d
L1 HAS NO ANSWERS
L1   STR



G1

G2 H,Me,Et,n-Pr,i-Pr,n-Bu,i-Bu,s-Bu,t-Bu

G3 Me,Et,n-Pr,n-Bu

G4 H,Ak

Structure attributes must be viewed using STN Express query preparation.

```
=> s l1 sss sample

S L1 SSS SAM FILE=REGISTRY
SAMPLE SEARCH INITIATED 11:05:30 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -    45483 TO ITERATE

  4.4% PROCESSED     2000 ITERATIONS                              50 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:       896919 TO   922401
PROJECTED ANSWERS:           22023 TO    26187

L2           50 SEA SSS SAM L1
   1 FILES SEARCHED...

S L2 SSS SAM FILE=MARPAT
SAMPLE SEARCH INITIATED 11:05:31 FILE 'MARPAT'
SAMPLE SCREEN SEARCH COMPLETED -    11176 TO ITERATE

 17.9% PROCESSED     2000 ITERATIONS                              50 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.02

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:       220004 TO   227036
PROJECTED ANSWERS:           16025 TO    19513

L3           50 SEA SSS SAM L1
   1 FILES SEARCHED...

=> s l1 sss full
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```
S L1 SSS FUL FILE=REGISTRY
FULL SEARCH INITIATED 11:05:50 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -   906193 TO ITERATE

 90.7% PROCESSED   821687 ITERATIONS                          24895 ANSWERS

 99.0% PROCESSED   896999 ITERATIONS                          25541 ANSWERS

100.0% PROCESSED   906193 ITERATIONS                          25559 ANSWERS
SEARCH TIME: 00.00.38

L4        25559 SEA SSS FUL L1
   1 FILES SEARCHED...

S L4 SSS FUL FILE=MARPAT
FULL SEARCH INITIATED 11:06:29 FILE 'MARPAT'
FULL SCREEN SEARCH COMPLETED -   223897 TO ITERATE

 32.7% PROCESSED    73128 ITERATIONS                           7047 ANSWERS

 62.2% PROCESSED   139324 ITERATIONS                          13469 ANSWERS

 77.3% PROCESSED   172965 ITERATIONS                          16342 ANSWERS

 89.5% PROCESSED   200483 ITERATIONS  (     2 INCOMPLETE)    17914 ANSWERS

 91.1% PROCESSED   203862 ITERATIONS  (     3 INCOMPLETE)    18258 ANSWERS

 97.3% PROCESSED   217743 ITERATIONS  (     5 INCOMPLETE)    18910 ANSWERS

 98.2% PROCESSED   219909 ITERATIONS  (     7 INCOMPLETE)    19017 ANSWERS

 98.3% PROCESSED   220177 ITERATIONS  (     7 INCOMPLETE)    19056 ANSWERS

 98.4% PROCESSED   220367 ITERATIONS  (     8 INCOMPLETE)    19087 ANSWERS

 98.5% PROCESSED   220499 ITERATIONS  (     8 INCOMPLETE)    19099 ANSWERS

 98.6% PROCESSED   220862 ITERATIONS  (     9 INCOMPLETE)    19147 ANSWERS

 99.5% PROCESSED   222706 ITERATIONS  (    10 INCOMPLETE)    19331 ANSWERS

100.0% PROCESSED   223897 ITERATIONS  (    10 INCOMPLETE)    19455 ANSWERS
SEARCH TIME: 00.03.33

L5        19455 SEA SSS FUL L1
   1 FILES SEARCHED...

S L4 FILE=CAPLUS
L6      162344 FILE CAPLUS
   1 FILES SEARCHED...

SET DUPORDER FILE
SET COMMAND COMPLETED

DUP REM L5 L6
181799 ANSWERS REQUESTED EXCEEDS MAXIMUM ALLOWED OF 50000
You may process up to 50,000 answers per command.  Please try to
narrow your search until your resulting L# answer set is within the
maximum number of answers.
```

```
=> delete history yes
ALL L# ITEMS DELETED

=> delete select yes
ALL E# DEFINITIONS DELETED

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Uploading C:\Program Files\STNEXP\Queries\10529897-b-narrow.str
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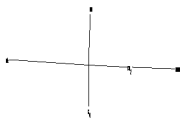


```
chain nodes :
1  2  3  5  6  7  11
chain bonds :
1-2  1-3  1-5  1-6  6-7
exact/norm bonds :
1-2  1-3  1-5
exact bonds :
1-6  6-7


G2:H,CH3,Et,n-Pr,i-Pr,n-Bu,i-Bu,s-Bu,t-Bu

G3:CH3,Et,n-Pr,n-Bu

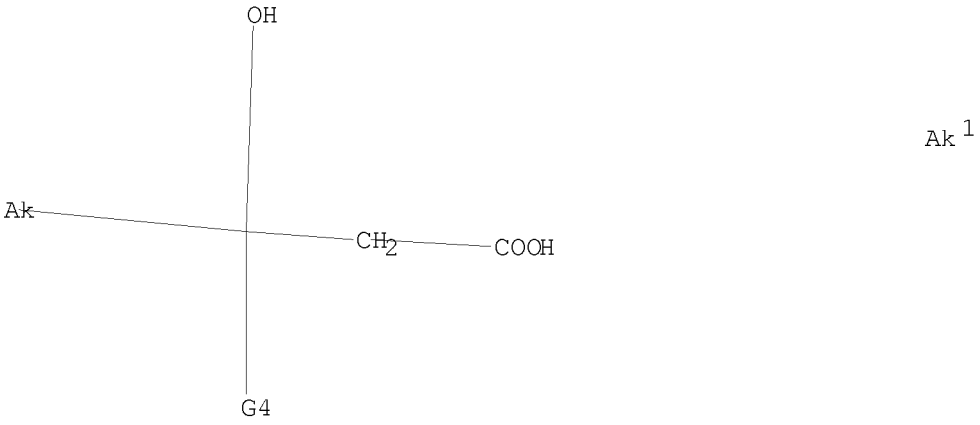
G4:H,[*1]

Match level :
1:CLASS  2:CLASS  3:CLASS  5:CLASS  6:CLASS  7:CLASS  11:CLASS
Element Count :
Node 2: Limited
    C,C1-4

Node 11: Limited
    C,C1-4
```

L1 STRUCTURE UPLOADED

=> d
L1 HAS NO ANSWERS
L1 STR



G1

G2 H,Me,Et,n-Pr,i-Pr,n-Bu,i-Bu,s-Bu,t-Bu

G3 Me,Et,n-Pr,n-Bu

G4 H,[@1]

Structure attributes must be viewed using STN Express query preparation.

=> s l1 sss sample

S L1 SSS SAM FILE=REGISTRY
SAMPLE SEARCH INITIATED 11:12:49 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 45483 TO ITERATE

4.4% PROCESSED 2000 ITERATIONS 48 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 896919 TO 922401
PROJECTED ANSWERS: 19849 TO 23813

L2 48 SEA SSS SAM L1
1 FILES SEARCHED...

S L2 SSS SAM FILE=MARPAT
SAMPLE SEARCH INITIATED 11:12:49 FILE 'MARPAT'
SAMPLE SCREEN SEARCH COMPLETED - 11176 TO ITERATE

17.9% PROCESSED 2000 ITERATIONS 50 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 220004 TO 227036

PROJECTED ANSWERS: 16025 TO 19513

L3 50 SEA SSS SAM L1
1 FILES SEARCHED...

=> d scan

L3 50 ANSWERS MARPAT COPYRIGHT 2009 ACS on STN
IC ICM A61K031-663
ICS A61K031-5025; A61K031-662; A61K045-00; A61P001-02; A61P019-00; A61P019-02; A61P019-04; A61P019-08; A61P019-10; A61P029-00; A61P035-00; A61P035-04
CC 63-6 (Pharmaceuticals)
Section cross-reference(s): 1
TI Agent inducing increase in bone mass
ST bisphosphonate deriv osteoblast differentiation promoter combination bone mass increase; pyridazine deriv prepn incadronate combination bone mass increase
IT Bone
Bone resorption inhibitors
Human
Osteoporosis
(bone mass-increasing agents containing nonpeptidic osteoblast differentiation promoting compds. and bisphosphonates)
IT Drug delivery systems
(capsules; bone mass-increasing agents containing nonpeptidic osteoblast differentiation promoting compds. and bisphosphonates)
IT Osteoblast
(differentiation; bone mass-increasing agents containing nonpeptidic osteoblast differentiation promoting compds. and bisphosphonates)
IT Cell differentiation
(osteoblast; bone mass-increasing agents containing nonpeptidic osteoblast differentiation promoting compds. and bisphosphonates)
IT Bone, disease
(osteopenia; bone mass-increasing agents containing nonpeptidic osteoblast differentiation promoting compds. and bisphosphonates)
IT Drug delivery systems
(tablets; bone mass-increasing agents containing nonpeptidic osteoblast differentiation promoting compds. and bisphosphonates)
IT 596823-90-4P 596823-92-6P 596823-94-8P 596823-96-0P 596823-98-2P
596824-04-3P 596824-07-6P 596824-09-8P 596824-12-3P 596824-13-4P
596824-15-6P 596824-16-7P 596824-17-8P 596824-18-9P 596824-19-0P
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596824-81-6P 596824-83-8P 596824-84-9P 596824-85-0P 596824-86-1P
596824-87-2P 596824-88-3P 596824-89-4P 596824-90-7P 596824-91-8P
596824-92-9P 596824-93-0P 596824-95-2P 596824-96-3P 596824-98-5P
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596825-06-8P 596825-07-9P 596825-08-0P 596825-09-1P 596825-10-4P
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596825-21-7P 596825-22-8P 596825-23-9P 596825-24-0P 596825-25-1P
596825-26-2P 596825-27-3P 596825-28-4P 596825-29-5P 596825-30-8P

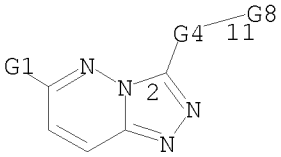
596825-31-9P 596825-32-0P 596825-33-1P 596825-34-2P 596825-35-3P
RL: SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(bone mass-increasing agents containing nonpeptidic osteoblast differentiation promoting compds. and bisphosphonates)

IT 40391-99-9 66376-36-1, Alendronate 105462-24-6 114084-78-5, Ibandronate 118072-93-8, Zoledronate 138330-18-4, Incadronate 180064-38-4 821002-58-8
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(bone mass-increasing agents containing nonpeptidic osteoblast differentiation promoting compds. and bisphosphonates)

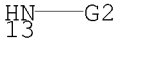
IT 62-23-7, 4-Nitrobenzoic acid 99-64-9, 3-Dimethylaminobenzoic acid 110-89-4, Piperidine, reactions 111-49-9 124-63-0, Methanesulfonyl chloride 1121-92-2 1711-11-1, 3-Cyanobenzoylchloride 4684-94-0, 6-Chloropicolinic acid 5398-36-7, Ethyl 2-aminothiazole-4-carboxylate 6630-33-7, 2-Bromobenzaldehyde 17259-77-7 17284-97-8 18908-07-1, 3-Methoxyphenylisocyanate 75680-93-2 78190-11-1, 1-[(Benzyloxy)carbonyl]piperidine-3-carboxylic acid 821002-63-5 821002-67-9 821002-71-5
RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of bone mass-increasing agents containing nonpeptidic osteoblast differentiation promoting compds. and bisphosphonates)

IT 448190-45-2P 596825-36-4P 596825-37-5P 596825-38-6P 596825-39-7P 596825-40-0P 596825-41-1P 596825-42-2P 596825-43-3P 596825-44-4P 596825-45-5P 596825-46-6P 596825-47-7P 596825-48-8P 596825-49-9P 596825-50-2P 596825-51-3P 596825-52-4P 596825-53-5P 596825-54-6P 596825-55-7P 596825-56-8P 596825-57-9P 596825-58-0P 596825-59-1P 596825-60-4P 596825-61-5P 596825-62-6P 596825-63-7P 596825-64-8P 596825-65-9P 596825-66-0P 596825-67-1P 596825-68-2P 596825-69-3P 596825-70-6P 596825-71-7P 596825-72-8P 596825-73-9P 596825-74-0P 596825-75-1P 596825-76-2P 596825-77-3P 596825-78-4P 596825-79-5P 596825-80-8P 596825-81-9P 596825-82-0P 596825-83-1P 596825-84-2P 596825-85-3P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of bone mass-increasing agents containing nonpeptidic osteoblast differentiation promoting compds. and bisphosphonates)

MSTR 1



G1 = 13



G2 = alkyl <containing 1-6 C> (opt. substd. by (1-3) G3)
G3 = OH / CO2H
G4 = bond
Patent location: claim 2
Note: or pharmaceutically acceptable salts

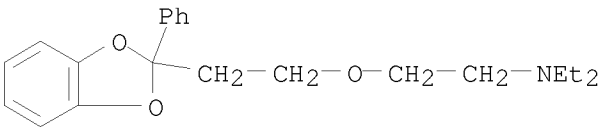
Note: substitution is restricted

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):end

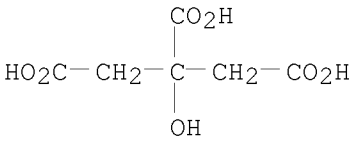
=> d scan l2

L2 48 ANSWERS REGISTRY COPYRIGHT 2009 ACS on STN
IN Ethanamine, N,N-diethyl-2-[2-(2-phenyl-1,3-benzodioxol-2-yl)ethoxy]-, 2-hydroxy-1,2,3-propanetricarboxylate (1:1)
MF C21 H27 N O3 . C6 H8 O7

CM 1

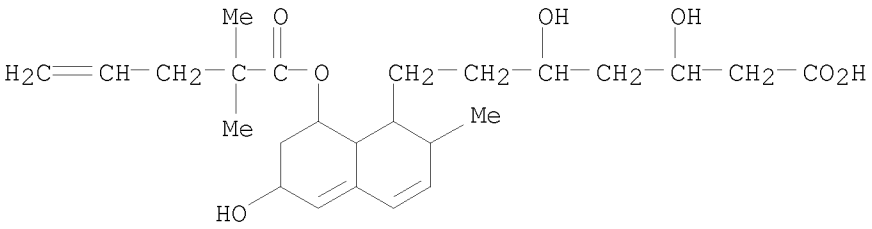


CM 2



HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L2 48 ANSWERS REGISTRY COPYRIGHT 2009 ACS on STN
IN 1-Naphthaleneheptanoic acid, 8-[(2,2-dimethyl-1-oxo-4-penten-1-yl)oxy]-1,2,6,7,8,8a-hexahydro-β,δ,6-trihydroxy-2-methyl-
MF C25 H38 O7



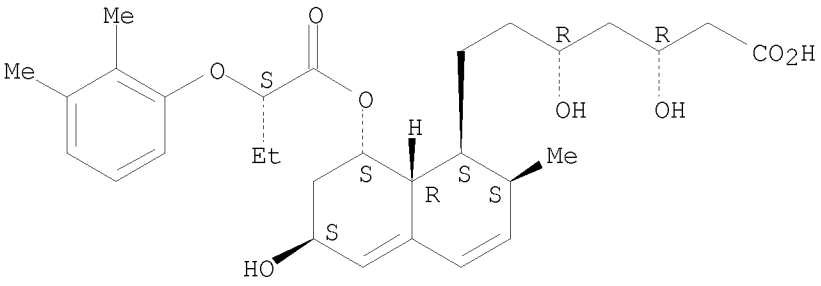
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L2 48 ANSWERS REGISTRY COPYRIGHT 2009 ACS on STN
IN 1-Naphthaleneheptanoic acid, 8-[(2S)-2-(2,3-dimethylphenoxy)-1-oxobutoxy]-1,2,6,7,8,8a-hexahydro-β,δ,6-trihydroxy-2-methyl-, (βR,δR,1S,2S,6S,8S,8aR)-

MF C30 H42 O8
CI COM

Absolute stereochemistry.

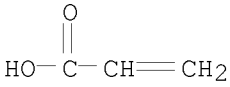


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

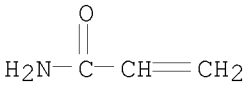
HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L2 48 ANSWERS REGISTRY COPYRIGHT 2009 ACS on STN
IN 2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester, 2-hydroxy-1,2,3-propanetricarboxylate (1:1), polymer with 2-propenamide and 2-propenoic acid (9CI)
MF (C8 H15 N O2 . C6 H8 O7 . C3 H5 N O . C3 H4 O2)x
CI PMS

CM 1

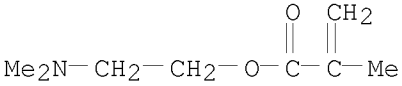


CM 2

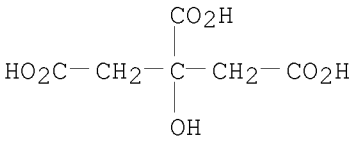


CM 3

CM 4



CM 5



HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):end

=> s l1 sss full

S L1 SSS FUL FILE=REGISTRY
FULL SEARCH INITIATED 11:14:50 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 906193 TO ITERATE

89.0% PROCESSED 806359 ITERATIONS 22673 ANSWERS

99.0% PROCESSED 897404 ITERATIONS 23591 ANSWERS

100.0% PROCESSED 906193 ITERATIONS 23608 ANSWERS
SEARCH TIME: 00.00.38

L4 23608 SEA SSS FUL L1
1 FILES SEARCHED...

S L4 SSS FUL FILE=MARPAT
FULL SEARCH INITIATED 11:15:28 FILE 'MARPAT'
FULL SCREEN SEARCH COMPLETED - 223897 TO ITERATE

15.9% PROCESSED 35678 ITERATIONS 3267 ANSWERS

25.8% PROCESSED 57665 ITERATIONS 5016 ANSWERS

46.0% PROCESSED 102956 ITERATIONS (7 INCOMPLETE) 8240 ANSWERS

59.7% PROCESSED 133776 ITERATIONS (28 INCOMPLETE) 10943 ANSWERS

65.3% PROCESSED 146162 ITERATIONS (51 INCOMPLETE) 12247 ANSWERS

74.1% PROCESSED 165836 ITERATIONS (72 INCOMPLETE) 14000 ANSWERS

80.7% PROCESSED 180774 ITERATIONS (81 INCOMPLETE) 14853 ANSWERS

84.3% PROCESSED 188711 ITERATIONS (98 INCOMPLETE) 15642 ANSWERS

88.8% PROCESSED 198742 ITERATIONS (120 INCOMPLETE) 16645 ANSWERS

89.7% PROCESSED 200838 ITERATIONS (125 INCOMPLETE) 16845 ANSWERS

90.4% PROCESSED 202314 ITERATIONS (128 INCOMPLETE) 17008 ANSWERS

92.5% PROCESSED 207170 ITERATIONS (140 INCOMPLETE) 17512 ANSWERS

92.8% PROCESSED 207863 ITERATIONS (142 INCOMPLETE) 17583 ANSWERS

93.5% PROCESSED 209418 ITERATIONS (149 INCOMPLETE) 17756 ANSWERS

95.2% PROCESSED 213165 ITERATIONS (155 INCOMPLETE) 18161 ANSWERS

95.2% PROCESSED 213245 ITERATIONS (157 INCOMPLETE) 18175 ANSWERS

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 95.8% PROCESSED   214435 ITERATIONS  (   161 INCOMPLETE)    18294 ANSWERS

 96.0% PROCESSED   215008 ITERATIONS  (   164 INCOMPLETE)    18346 ANSWERS

 96.0% PROCESSED   215008 ITERATIONS  (   164 INCOMPLETE)    18346 ANSWERS

 96.5% PROCESSED   216146 ITERATIONS  (   168 INCOMPLETE)    18473 ANSWERS

 96.6% PROCESSED   216379 ITERATIONS  (   169 INCOMPLETE)    18493 ANSWERS

 96.6% PROCESSED   216379 ITERATIONS  (   169 INCOMPLETE)    18493 ANSWERS

 97.2% PROCESSED   217555 ITERATIONS  (   170 INCOMPLETE)    18599 ANSWERS

 97.4% PROCESSED   218078 ITERATIONS  (   171 INCOMPLETE)    18665 ANSWERS

 98.3% PROCESSED   220098 ITERATIONS  (   172 INCOMPLETE)    18797 ANSWERS

 98.5% PROCESSED   220647 ITERATIONS  (   173 INCOMPLETE)    18849 ANSWERS

 98.6% PROCESSED   220655 ITERATIONS  (   174 INCOMPLETE)    18850 ANSWERS

 98.8% PROCESSED   221208 ITERATIONS  (   175 INCOMPLETE)    18912 ANSWERS

 98.8% PROCESSED   221208 ITERATIONS  (   175 INCOMPLETE)    18912 ANSWERS

 98.8% PROCESSED   221221 ITERATIONS  (   176 INCOMPLETE)    18914 ANSWERS

 98.8% PROCESSED   221221 ITERATIONS  (   176 INCOMPLETE)    18914 ANSWERS

 98.8% PROCESSED   221221 ITERATIONS  (   176 INCOMPLETE)    18914 ANSWERS

 98.8% PROCESSED   221221 ITERATIONS  (   176 INCOMPLETE)    18914 ANSWERS

 99.1% PROCESSED   221827 ITERATIONS  (   178 INCOMPLETE)    18971 ANSWERS

 99.1% PROCESSED   221827 ITERATIONS  (   178 INCOMPLETE)    18971 ANSWERS

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 99.1% PROCESSED   221827 ITERATIONS  (   178 INCOMPLETE)    18971 ANSWERS

 99.1% PROCESSED   221827 ITERATIONS  (   178 INCOMPLETE)    18971 ANSWERS

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 99.1% PROCESSED   221827 ITERATIONS  (   178 INCOMPLETE)    18971 ANSWERS
<------User Break------>

 99.1% PROCESSED   221827 ITERATIONS  (   179 INCOMPLETE)    18972 ANSWERS
SEARCH ENDED BY USER
SEARCH TIME: 00.11.32

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:       223897 TO   223897
PROJECTED ANSWERS:           18972 TO    19551

L5        18972 SEA SSS FUL L1
   1 FILES SEARCHED...

=> d his
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     (FILE 'CAPLUS, MARPAT, REGISTRY' ENTERED AT 11:04:57 ON 24 MAR 2009)
                DELETE HISTORY YES
                DELETE SELECT YES
L1              STRUCTURE UPLOADED
L2           48 S L1 SSS SAM FILE=REGISTRY
L3           50 S L2 SSS SAM FILE=MARPAT
L4        23608 S L1 SSS FUL FILE=REGISTRY
L5        18972 S L4 SSS FUL FILE=MARPAT

=> file caplus
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                         ENTRY    SESSION
FULL ESTIMATED COST                                     523.76     523.98

FILE 'CAPLUS' ENTERED AT 11:27:25 ON 24 MAR 2009
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
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FILE COVERS 1907 - 24 Mar 2009  VOL 150 ISS 13
FILE LAST UPDATED: 23 Mar 2009  (20090323/ED)

Caplus now includes complete International Patent Classification (IPC)
reclassification data for the third quarter of 2008.

CAS Information Use Policies apply and are available at:

http://www.cas.org/legal/infopolicy.html

This file contains CAS Registry Numbers for easy and accurate
substance identification.

=> s l4
L6      159563 L4

=> e odor/ct
E#   FREQUENCY    AT     TERM
--   ---------    --     ----
E1           0    11     ODONUS/CT
E2           1    11     ODONUS NIGER/CT
E3           0     2 --> ODOR/CT
E4       33213    29     ODOR AND ODOROUS SUBSTANCES/CT
E5           0     4     ODOR AND ODOROUS SUBSTANCES (L) MUSK-LIKE/CT
E6           0     4     ODOR AND ODOROUS SUBSTANCES (L) ODORIZATION/CT
E7           0     2     ODOR AND ODOROUS SUBSTANCES (L) OFF-/CT
E8           0     7     ODOR AND ODOROUS SUBSTANCES (L) OFF-ODOR/CT
E9           0     2     ODOR MOL. STRUCTURE-BIOL. ACTIVITY RELATIONSHIP/CT
E10          0     2     ODOR MOL. STRUCTURE-PROPERTY RELATIONSHIP/CT
E11          0     2     ODOR RECEPTOR/CT
E12          0     2     ODOR STRUCTURE-ACTIVITY RELATIONSHIP/CT
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```
=> e e3+all
E1            0   -->  Odor/CT
E2        33213     USE  Odor and Odorous substances/CT
********** END **********

=> set expand continuous perm
SET COMMAND COMPLETED

=> e e2+all
E3         4097   BT1  Physical and chemical properties/CT
E4        33213     -->  Odor and Odorous substances/CT
                      HNTE Valid heading during volume 76 (1972) to present.
E5          450       OLD  Odorous substances/CT
E6         1757       OLD  Odors/CT
E7                    UF   Aroma/CT
E8                    UF   Fragrance/CT
E9                    UF   Fragrant substances/CT
E10                   UF   Odiferous compds./CT
E11                   UF   Odor/CT
E12                   UF   Osmophore/CT
E13                   UF   Smell/CT
E14                   UF   Smell (odor)/CT
E15         978       RT   Air fresheners/CT
E16        6191       RT   Cosmetics and personal care products/CT
E17        7775       RT   Deodorization/CT
E18        2595       RT   Essences/CT
E19       25688       RT   Flavor/CT
E20        4692       RT   Olfaction/CT
E21         626       RT   Olfactory system/CT
E22       13864       RT   Perfumes/CT
E23       22247       RT   Volatile substances/CT
E24                   RTCS δ-Decalactone/CT
E25                   RTCS γ-Octalactone/CT
E26                   RTCS 2-Methylisoborneol/CT
E27                   RTCS Ethyl 2-methylbutanoate/CT
E28                   RTCS Furaneol/CT
E29                   RTCS Geosmin/CT
E30                   RTCS Trans-2-Heptenal/CT
E31                   RTCS Trans-3-Hexen-1-ol/CT
********** END **********

=> s e4-e14
          33213 "ODOR AND ODOROUS SUBSTANCES"/CT
            450 "ODOROUS SUBSTANCES"/CT
           1757 ODORS/CT
              0 AROMA/CT
              0 FRAGRANCE/CT
              0 "FRAGRANT SUBSTANCES"/CT
              0 "ODIFEROUS COMPDS."/CT
              0 ODOR/CT
              0 OSMOPHORE/CT
              3 SMELL/CT
              0 "SMELL (ODOR)"/CT
L7        35413 ("ODOR AND ODOROUS SUBSTANCES"/CT OR "ODOROUS SUBSTANCES"/CT OR
                ODORS/CT OR AROMA/CT OR FRAGRANCE/CT OR "FRAGRANT SUBSTANCES"/CT
                 OR "ODIFEROUS COMPDS."/CT OR ODOR/CT OR OSMOPHORE/CT OR SMELL/C
                T OR "SMELL (ODOR)"/CT)

=> s l6 and l7
L8         1239 L6 AND L7
```

```
=> e sweat/ct
E#   FREQUENCY    AT     TERM
--   ---------    --     ----
E32          0     2     SWCV/CT
E33          0     1     SWE/CT
E34       1566    14 --> SWEAT/CT
E35          0    11     SWEAT (L) CONGENITAL SENSORY NEUROPATHY WITH ANHIDROSI
                         S/CT
E36          1           SWEAT BANDS/CT
E37       1135    11     SWEAT GLAND/CT
E38          0    11     SWEAT GLAND (L) APOCRINE/CT
E39          0    11     SWEAT GLAND (L) APOECCRINE/CT
E40          0    10     SWEAT GLAND (L) DUCT/CT
E41          0    12     SWEAT GLAND (L) ECCRINE/CT
E42          0    10     SWEAT GLAND (L) EPITHELIUM/CT
E43        224     2     SWEAT GLANDS/CT

=> e e34+all
E44          0   BT3  Biological processes and phenomena (non-CA heading)/CT
E45          0     BT2  Animal processes and phenomena (non-CA heading)/CT
E46       8332     BT2  Body, anatomical/CT
E47      23703       BT1  Body fluid/CT
E48        357       BT1  Secretions (external)/CT
E49       1566         -->  Sweat/CT
                          HNTE Valid heading during volume 126 (1997) to
                               present.
E50       2308           OLD  Perspiration/CT
E51                      UF   Diaphoresis/CT
E52                      UF   Diaphoretics/CT
E53                      UF   Eccrine sweat/CT
E54       2414           RT   Antiperspirants/CT
E55        291           RT   Personal deodorants/CT
E56     133490           RT   Skin/CT
E57       1135           RT   Sweat gland/CT
********** END **********

=> s e49-e53
          1566 SWEAT/CT
          2308 PERSPIRATION/CT
             0 DIAPHORESIS/CT
             0 DIAPHORETICS/CT
             0 "ECCRINE SWEAT"/CT
L9        3874 (SWEAT/CT OR PERSPIRATION/CT OR DIAPHORESIS/CT OR DIAPHORETICS/C
               T OR "ECCRINE SWEAT"/CT)

=> s l8 and l9
L10          8 L8 AND L9

=> d 1-8 ibib hit

L10  ANSWER 1 OF 8  CAPLUS  COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER:         2007:269781  CAPLUS
DOCUMENT NUMBER:          146:280302
TITLE:                    Biochemistry of human axilla malodor and chemistry of
                          deodorant ingredients
AUTHOR(S):                Gautschi, Markus; Natsch, Andreas; Schroeder, Fridtjof
CORPORATE SOURCE:         Fragrance Research, Givaudan Schweiz AG, Dubendorf,
                          CH-8600, Switz.
SOURCE:                   Chimia (2007), 61(1-2), 27-32
                          CODEN: CHIMAD; ISSN: 0009-4293
PUBLISHER:                Swiss Chemical Society
DOCUMENT TYPE:            Journal; General Review
```

LANGUAGE: English
REFERENCE COUNT: 57 THERE ARE 57 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

IT Odor and Odorous substances
(axilla body malodor; human axilla malodor biochem. and chemical of deodorant ingredients)

IT Sweat
(axillary; human axilla malodor biochem. and chemical of deodorant ingredients)

IT 1289-40-3, Hexenoic acid 58888-76-9, 3-Hydroxy-3-methyl-hexanoic acid
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(human axilla malodor biochem. and chemical of deodorant ingredients)

L10 ANSWER 2 OF 8 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2006:1279662 CAPLUS
DOCUMENT NUMBER: 146:32449
TITLE: Oil-containing deodorizing aerosol compositions having skin-cooling active substances
INVENTOR(S): Emmerling, Winfried; Heinsohn, Ulrike
PATENT ASSIGNEE(S): Henkel Kommanditgesellschaft Auf Aktien, Germany
SOURCE: PCT Int. Appl., 20pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006128622	A2	20061207	WO 2006-EP4931	20060524
WO 2006128622	A3	20070315		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
DE 102005025495	A1	20061214	DE 2005-102005025495	20050601
AU 2006254359	A1	20061207	AU 2006-254359	20060524
EP 1888012	A2	20080220	EP 2006-753830	20060524
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR				
US 20080124282	A1	20080529	US 2007-948192	20071130

PRIORITY APPLN. INFO.: DE 2005-102005025495A 20050601
WO 2006-EP4931 W 20060524

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

IT Odor and Odorous substances
(Protectate HR & MOD2;; oil-containing deodorizing aerosol compns. having skin-cooling active substances)

IT Sweat
(decomposing enzymes, inhibitors of; oil-containing deodorizing aerosol compns. having skin-cooling active substances)

IT 50-21-5, Lactic acid, biological studies 65-85-0D, Benzoic acid, C12-C15 esters 69-72-7, Salicylic acid, biological studies 74-98-6, n-Propane,

biological studies 75-28-5, Isobutane 77-92-9, Citric acid, biological studies 78-78-4, Isopentane 79-14-1, Glycolic acid, biological studies 87-69-4, Tartaric acid, biological studies 89-78-1, Menthol 89-79-2, Isopulegol 103-23-1, Di(2-ethylhexyl)adipate 104-76-7, 2-Ethylhexyl alcohol 105-99-7, Di-n-butyladipate 106-97-8, n-Butane, biological studies 109-43-3, Di-n-butylsebacate 109-66-0, n-Pentane, biological studies 110-27-0, Isopropyl myristate 110-40-7, Diethylsebacate 112-10-7, Isopropyl stearate 112-11-8, Isopropyloleate 123-95-5, n-Butylstearate 142-16-5, Dioctylmaleate 142-91-6, Isopropyl palmitate 624-03-3, Ethyleneglycoldipalmitate 629-82-3, Cetiol OE 693-19-6D, Isononanoic acid, cetearyl derivs. 928-24-5, Ethyleneglycoldioleate 1327-41-9, Reach 103 1565-76-0, Menthylmethylether 2432-87-3, Dioctylsebacate 2456-28-2, Didecyl ether 2915-53-9, Dicapryl maleate 2915-57-3, Di-2-ethylhexylsuccinate 3687-45-4, Oleyloleate 3687-46-5 4602-84-0, Farnesol 5444-75-7, Ethylhexylbenzoate 6915-15-7, Malic acid 6938-94-9, Diisopropyladipate 7491-02-3, Diisopropylsebacate 15763-02-7, Dioctylmalate 17071-54-4, Hexyl octyl ether 17088-93-6 17162-29-7, Menthyllactate 17618-45-0, 2-Hexyldecylstearate 17673-56-2, Oleylerucate 20292-08-4, 2-Ethylhexyllaurate 22047-49-0, 2-Ethylhexylstearate 22766-84-3, 2-Octyldodecylpalmitate 25339-09-7, Isocetylstearate 27215-38-9, Glycerin monolaurate 27640-89-7, Erucylerucate 28880-24-2, Diisooctylsuccinate, biological studies 29806-73-3, 2-Ethylhexyl palmitate 30500-51-7, Isononylstearate 34316-64-8, n-Hexyllaurate 34364-24-4, Isostearylbenzoate 34513-50-3, Octyldodecanol 40550-16-1, Isooctylstearate 42131-25-9, Isononylisononanoate 42131-27-1, Isotridecylisononanoate 60209-82-7, Isodecylneopentanoate 63187-91-7, Menthone glycerin acetal 68171-33-5, Isopropylisostearate 70445-33-9, Sensiva SC 50 74565-11-0, Finsolv TN 75363-56-3 81897-25-8, 2-Ethylhexylisostearate 85617-81-8, Erucyloleate 92353-16-7, Hexyldecanol 117356-20-4 143608-26-8 156324-82-2 156679-39-9 158599-25-8, Diglycerin monocaprinate 161544-28-1, Cosmacol EMI 195060-85-6 221333-66-0 227450-65-9, Hexyldecyllaurate 351420-48-9 841309-69-1
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(oil-containing deodorizing aerosol compns. having skin-cooling active substances)

L10 ANSWER 3 OF 8 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2006:104126 CAPLUS
DOCUMENT NUMBER: 145:184938
TITLE: A broad diversity of volatile carboxylic acids, released by a bacterial aminoacylase from axilla secretions, as candidate molecules for the determination of human-body odor type
AUTHOR(S): Natsch, Andreas; Derrer, Samuel; Flachsmann, Felix; Schmid, Joachim
CORPORATE SOURCE: Givaudan Schweiz AG, Duebendorf, CH-8600, Switz.
SOURCE: Chemistry & Biodiversity (2006), 3(1), 1-20
CODEN: CBHIAM; ISSN: 1612-1872
PUBLISHER: Verlag Helvetica Chimica Acta AG
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 28 THERE ARE 28 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT
IT Odor and Odorous substances
(body odor; volatile carboxylic acids from axilla secretions, as candidate mols. for determination of human-body odor type)
IT Human
Sweat
(volatile carboxylic acids from axilla secretions, as candidate mols. for determination of human-body odor type)

IT 50-21-5, Lactic acid, biological studies 103-82-2, Phenylacetic acid, biological studies 123-99-9, Azelaic acid, biological studies 156-38-7, (4-Hydroxyphenyl)acetic acid 505-48-6, Suberic acid 764-89-6 816-66-0 1460-34-0 3788-56-5, 9-Hydroxynonanoic acid 6966-34-3 14292-26-3 14292-27-4 16493-80-4 27960-21-0 54068-86-9 58888-76-9 59866-91-0 80113-38-8 80113-39-9 132735-95-6 160595-71-1 875712-96-2 903503-32-2 903503-33-3 903503-34-4 903503-35-5
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(volatile carboxylic acids from axilla secretions, as candidate mols. for determination of human-body odor type)

L10 ANSWER 4 OF 8 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2005:329511 CAPLUS
DOCUMENT NUMBER: 143:332012
TITLE: Isolation of a bacterial enzyme releasing axillary malodor and its use as a screening target for novel deodorant formulations
AUTHOR(S): Natsch, A.; Gfeller, H.; Gygax, P.; Schmid, J.
CORPORATE SOURCE: Givaudan Schweiz AG, Duebendorf, CH-8600, Switz.
SOURCE: International Journal of Cosmetic Science (2005), 27(2), 115-122
CODEN: IJCMDW; ISSN: 0142-5463
PUBLISHER: Blackwell Publishing Ltd.
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT
IT Sweat
(axillary; isolation of bacterial enzyme releasing axillary malodor)
IT Odor and Odorous substances
(off-odor; isolation of bacterial enzyme releasing axillary malodor)
IT 58888-76-9P, 3-Hydroxy-3-methyl-hexanoic acid
RL: ANT (Analyte); PUR (Purification or recovery); ANST (Analytical study); PREP (Preparation)
(isolation of bacterial enzyme releasing axillary malodor)

L10 ANSWER 5 OF 8 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2005:19524 CAPLUS
DOCUMENT NUMBER: 142:313793
TITLE: Identification of new odoriferous compounds in human axillary sweat
AUTHOR(S): Hasegawa, Yoshihiro; Yabuki, Masayuki; Matsukane, Masamoto
CORPORATE SOURCE: Perfumery Development Research Laboratory, Kao Corporation, Tokyo, Japan
SOURCE: Chemistry & Biodiversity (2004), 1(12), 2042-2050
CODEN: CBHIAM; ISSN: 1612-1872
PUBLISHER: Verlag Helvetica Chimica Acta AG
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 19 THERE ARE 19 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT
IT Human
Odor and Odorous substances
Sweat
(identification of new odoriferous compds. in human axillary sweat)
IT 51755-83-0P 58888-76-9P, 3-Hydroxy-3-methylhexanoic acid 227456-33-9P 307964-33-6P 548740-99-4P 757219-24-2P 757219-38-8P 828300-39-6P
RL: BSU (Biological study, unclassified); PRP (Properties); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)

(identification of new odoriferous compds. in human axillary sweat)

L10 ANSWER 6 OF 8 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2004:754422 CAPLUS
DOCUMENT NUMBER: 141:282457
TITLE: Pseudo-body odor composition and perfume composition for inhibiting body odor
INVENTOR(S): Ogura, Miharu; Sakurai, Kazutoshi; Sawano, Kiyohito; Yamazaki, Sadahiko; Hirano, Koji
PATENT ASSIGNEE(S): Takasago International Corporation, Japan
SOURCE: PCT Int. Appl., 111 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004078154	A1	20040916	WO 2004-JP2300	20040226
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO				
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
JP 2004263102	A	20040924	JP 2003-56017	20030303
JP 2004262900	A	20040924	JP 2003-57462	20030304
AU 2004218560	A1	20040916	AU 2004-218560	20040226
EP 1601338	A1	20051207	EP 2004-714939	20040226
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
CN 1756525	A	20060405	CN 2004-80005817	20040226
CN 100356901	C	20071226		
US 20060159639	A1	20060720	US 2005-547638	20050901

PRIORITY APPLN. INFO.:		
JP 2003-56017	A	20030303
JP 2003-57462	A	20030304
WO 2004-JP2300	A	20040226

REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

IT Odor and Odorous substances
(body, pseudo-, for deodorant evaluation; pseudo-body odor composition containing aldehydes, carboxylic acids and fatty acids for evaluation of deodorant perfumes for inhibiting body odor)

IT Sweat
(pseudo-, for deodorant evaluation; pseudo-body odor composition containing aldehydes, carboxylic acids and fatty acids for evaluation of deodorant perfumes for inhibiting body odor)

IT 50-21-5, Lactic acid, biological studies 64-19-7, Acetic acid, biological studies 77-93-0, Triethyl citrate 79-31-2, Isobutanoic acid 107-92-6, Butanoic acid, biological studies 111-14-8, Heptanoic acid 112-05-0, Nonanoic acid 112-44-7, Undecyl aldehyde 120-51-4, Benzyl benzoate 124-07-2, Octanoic acid, biological studies 142-62-1, Hexanoic acid, biological studies 503-74-2, Isovaleric acid 27960-21-0, (E)-3-Methyl-2-hexenoic acid 54068-86-9, (Z)-3-Methyl-2-hexenoic acid 58888-76-9, 3-Hydroxy-3-methylhexanoic acid 757219-24-2 757219-38-8
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(pseudo-body odor composition containing aldehydes, carboxylic acids and fatty

acids for evaluation of deodorant perfumes for inhibiting body odor)

L10 ANSWER 7 OF 8 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2004:308604 CAPLUS
DOCUMENT NUMBER: 140:326641
TITLE: Indicator for assessing body odor, process for producing the same, body odor assessment method, method of assessing efficaciousness of deodorant and kit for conveniently assessing body odor
INVENTOR(S): Yabuki, Masayuki; Hasegawa, Yoshihiro; Matsukane, Masamoto; Yabe, Emi
PATENT ASSIGNEE(S): Kao Corporation, Japan
SOURCE: PCT Int. Appl., 86 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004031766	A1	20040415	WO 2003-JP12793	20031006
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2003268776	A1	20040423	AU 2003-268776	20031006
JP 2004309454	A	20041104	JP 2003-346586	20031006
JP 4113825	B2	20080709		
EP 1553411	A1	20050713	EP 2003-748731	20031006
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
JP 2005017272	A	20050120	JP 2004-83654	20040322
JP 4081034	B2	20080423		
US 20060160240	A1	20060720	US 2005-529897	20051216

PRIORITY APPLN. INFO.:	JP 2002-293104	A	20021004
	JP 2003-83801	A	20030325
	JP 2003-116582	A	20030422
	JP 2003-160082	A	20030604
	JP 2003-346586	A	20031006
	WO 2003-JP12793	W	20031006

OTHER SOURCE(S): MARPAT 140:326641
REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

IT Deodorants (personal)
Human
Odor and Odorous substances
Sweat
(indicator for assessing body odor containing β-hydroxy carboxylates or 3-mercapto alcs., process for producing same, body odor assessment method, method of assessing efficaciousness of deodorant and kit for conveniently assessing body odor)

IT 51755-83-0P, 3-Mercaptohexanol 58888-76-9P, 3-Hydroxy-3-methylhexanoic acid 227456-27-1P 227456-33-9P 307964-23-4P 548740-99-4P
RL: ANT (Analyte); BSU (Biological study, unclassified); PUR (Purification

or recovery); ANST (Analytical study); BIOL (Biological study); PREP (Preparation)
(indicator for assessing body odor containing β-hydroxy carboxylates or 3-mercapto alcs., process for producing same, body odor assessment method, method of assessing efficaciousness of deodorant and kit for conveniently assessing body odor)

L10 ANSWER 8 OF 8 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2003:122930 CAPLUS
DOCUMENT NUMBER: 139:2719
TITLE: A Specific Bacterial Aminoacylase Cleaves Odorant Precursors Secreted in the Human Axilla
AUTHOR(S): Natsch, Andreas; Gfeller, Hans; Gygax, Peter; Schmid, Joachim; Acuna, Gonzalo
CORPORATE SOURCE: Givaudan Duebendorf Ltd., Duebendorf, CH-8600, Switz.
SOURCE: Journal of Biological Chemistry (2003), 278(8), 5718-5727
CODEN: JBCHA3; ISSN: 0021-9258
PUBLISHER: American Society for Biochemistry and Molecular Biology
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 33 THERE ARE 33 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

IT Odor and Odorous substances
Sweat
(anal. of hydrolyzed axilla secretions)
IT 35205-70-0, 3-Methyl-2-hexenoic acid 58888-76-9, 3-Hydroxy-3-methylhexanoic acid
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(anal. of hydrolyzed axilla secretions)

=> FIL REGISTRY

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	52.88	576.86

FILE 'REGISTRY' ENTERED AT 11:32:28 ON 24 MAR 2009

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 22 MAR 2009 HIGHEST RN 1125392-64-4
DICTIONARY FILE UPDATES: 22 MAR 2009 HIGHEST RN 1125392-64-4

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 9, 2009.

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

=> S 58888-76-9/RN

L11   1 58888-76-9/RN

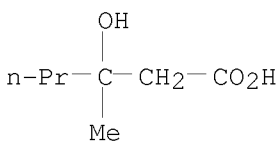
=> SET NOTICE 1 DISPLAY

NOTICE SET TO 1 U.S. DOLLAR FOR DISPLAY COMMAND
SET COMMAND COMPLETED

=> D L11 SQIDE 1-

YOU HAVE REQUESTED DATA FROM 1 ANSWERS - CONTINUE? Y/(N):y
THE ESTIMATED COST FOR THIS REQUEST IS 6.85 U.S. DOLLARS
DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N:y

L11 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2009 ACS on STN
RN   58888-76-9 REGISTRY
CN   Hexanoic acid, 3-hydroxy-3-methyl- (CA INDEX NAME)
OTHER NAMES:
CN   β-Hydroxy-β-methylcaproic acid
CN   β-Hydroxy-β-methylhexanoic acid
CN   3-Hydroxy-3-methylhexanoic acid
MF   C7 H14 O3
LC   STN Files: BEILSTEIN*, BIOSIS, CA, CAPLUS, CHEMCATS, TOXCENTER,
       USPATFULL
         (*File contains numerically searchable property data)
DT.CA CAplus document type: Journal; Patent
RL.P   Roles from patents: ANST (Analytical study); BIOL (Biological study);
       PREP (Preparation); USES (Uses)
RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological
       study); PREP (Preparation); PRP (Properties); USES (Uses)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

              15 REFERENCES IN FILE CA (1907 TO DATE)
              15 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> SET NOTICE LOGIN DISPLAY

NOTICE SET TO OFF FOR DISPLAY COMMAND
SET COMMAND COMPLETED

=>

=> d ibib abs hitstr 1-8
'IBIB' IS NOT A VALID FORMAT FOR FILE 'REGISTRY'
'ABS' IS NOT A VALID FORMAT FOR FILE 'REGISTRY'
'HITSTR' IS NOT A VALID FORMAT FOR FILE 'REGISTRY'

The following are valid formats:

Substance information can be displayed by requesting individual
fields or predefined formats. The predefined substance formats
are: (RN = CAS Registry Number)

REG   - RN
SAM   - Index Name, MF, and structure - no RN
FIDE   - All substance data, except sequence data
IDE   - FIDE, but only 50 names
SQIDE - IDE, plus sequence data
SQIDE3 - Same as SQIDE, but 3-letter amino acid codes are used
SQD   - Protein sequence data, includes RN
SQD3   - Same as SQD, but 3-letter amino acid codes are used
SQN   - Protein sequence name information, includes RN

EPROP - Table of experimental properties
PPROP - Table of predicted properties
PROP   - EPROP, ETAG, PPROP and SPEC

Any CA File format may be combined with any substance format to
obtain CA references citing the substance. The substance formats
must be cited first. The CA File predefined formats are:

ABS -- Abstract
APPS -- Application and Priority Information
BIB -- CA Accession Number, plus Bibliographic Data
CAN -- CA Accession Number
CBIB -- CA Accession Number, plus Bibliographic Data (compressed)
IND -- Index Data
IPC -- International Patent Classification
PATS -- PI, SO
STD -- BIB, IPC, and NCL

IABS -- ABS, indented, with text labels
IBIB -- BIB, indented, with text labels
ISTD -- STD format, indented

OBIB -------- AN, plus Bibliographic Data (original)
OIBIB ------- OBIB, indented with text labels

SBIB -------- BIB, no citations
SIBIB ------- IBIB, no citations

The ALL format gives FIDE BIB ABS IND RE, plus sequence data when
it is available.
The MAX format is the same as ALL.
The IALL format is the same as ALL with BIB ABS and IND indented,
with text labels.

For additional information, please consult the following help
messages:

HELP DFIELDS -- To see a complete list of individual display fields.
HELP FORMATS -- To see detailed descriptions of the predefined formats.
ENTER DISPLAY FORMAT (IDE):wend
'WEND' IS NOT A VALID FORMAT FOR FILE 'REGISTRY'

The following are valid formats:

Substance information can be displayed by requesting individual
fields or predefined formats. The predefined substance formats
are: (RN = CAS Registry Number)

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REG    - RN
SAM    - Index Name, MF, and structure - no RN
FIDE   - All substance data, except sequence data
IDE    - FIDE, but only 50 names
SQIDE  - IDE, plus sequence data
SQIDE3 - Same as SQIDE, but 3-letter amino acid codes are used
SQD    - Protein sequence data, includes RN
SQD3   - Same as SQD, but 3-letter amino acid codes are used
SQN    - Protein sequence name information, includes RN

EPROP  - Table of experimental properties
PPROP  - Table of predicted properties
PROP   - EPROP, ETAG, PPROP and SPEC

Any CA File format may be combined with any substance format to
obtain CA references citing the substance.  The substance formats
must be cited first.  The CA File predefined formats are:

ABS  -- Abstract
APPS -- Application and Priority Information
BIB  -- CA Accession Number, plus Bibliographic Data
CAN  -- CA Accession Number
CBIB -- CA Accession Number, plus Bibliographic Data (compressed)
IND  -- Index Data
IPC  -- International Patent Classification
PATS -- PI, SO
STD  -- BIB, IPC, and NCL

IABS -- ABS, indented, with text labels
IBIB -- BIB, indented, with text labels
ISTD -- STD format, indented

OBIB -------- AN, plus Bibliographic Data (original)
OIBIB ------- OBIB, indented with text labels

SBIB -------- BIB, no citations
SIBIB ------- IBIB, no citations

The ALL format gives FIDE BIB ABS IND RE, plus sequence data when
it is available.
The MAX format is the same as ALL.
The IALL format is the same as ALL with BIB ABS and IND indented,
with text labels.

For additional information, please consult the following help
messages:

HELP DFIELDS -- To see a complete list of individual display fields.
HELP FORMATS -- To see detailed descriptions of the predefined formats.
ENTER DISPLAY FORMAT (IDE):end

=> file caplus
COST IN U.S. DOLLARS                            SINCE FILE      TOTAL
                                                     ENTRY    SESSION
FULL ESTIMATED COST                                   2.53     579.39

FILE 'CAPLUS' ENTERED AT 11:33:18 ON 24 MAR 2009
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2009 AMERICAN CHEMICAL SOCIETY (ACS)
```

FILE COVERS 1907 - 24 Mar 2009 VOL 150 ISS 13
FILE LAST UPDATED: 23 Mar 2009 (20090323/ED)

Caplus now includes complete International Patent Classification (IPC)
reclassification data for the third quarter of 2008.

This file contains CAS Registry Numbers for easy and accurate
substance identification.

```
=> display ibib abs hitstr 1-8
ENTER (L11), L# OR ?:y
'Y' IS NOT VALID HERE

For an explanation, enter "HELP DISPLAY".

=> l11
L11 IS NOT A RECOGNIZED COMMAND
The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).

=> display ibib abs hitstr 1-8 l11
YOU HAVE REQUESTED DATA FROM FILE 'REGISTRY' - CONTINUE? (Y)/N:end

=> d his

     (FILE 'CAPLUS, MARPAT, REGISTRY' ENTERED AT 11:04:57 ON 24 MAR 2009)
                DELETE HISTORY YES
                DELETE SELECT YES
L1              STRUCTURE UPLOADED
L2            48 S L1 SSS SAM FILE=REGISTRY
L3            50 S L2 SSS SAM FILE=MARPAT
L4         23608 S L1 SSS FUL FILE=REGISTRY
L5         18972 S L4 SSS FUL FILE=MARPAT

     FILE 'CAPLUS' ENTERED AT 11:27:25 ON 24 MAR 2009
L6        159563 S L4
                E ODOR/CT
                E E3+ALL
                SET EXPAND CONTINUOUS PERM
                E E2+ALL
L7         35413 S E4-E14
L8          1239 S L6 AND L7
                E SWEAT/CT
                E E34+ALL
L9          3874 S E49-E53
L10            8 S L8 AND L9
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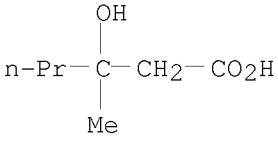
FILE 'REGISTRY' ENTERED AT 11:32:28 ON 24 MAR 2009
L11 1 S 58888-76-9/RN
SET NOTICE 1 DISPLAY
SET NOTICE LOGIN DISPLAY

FILE 'CAPLUS' ENTERED AT 11:33:18 ON 24 MAR 2009

=> d l10 1-8 ibib abs hitstr

L10 ANSWER 1 OF 8 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2007:269781 CAPLUS
DOCUMENT NUMBER: 146:280302
TITLE: Biochemistry of human axilla malodor and chemistry of deodorant ingredients
AUTHOR(S): Gautschi, Markus; Natsch, Andreas; Schroeder, Fridtjof
CORPORATE SOURCE: Fragrance Research, Givaudan Schweiz AG, Dubendorf, CH-8600, Switz.
SOURCE: Chimia (2007), 61(1-2), 27-32
CODEN: CHIMAD; ISSN: 0009-4293
PUBLISHER: Swiss Chemical Society
DOCUMENT TYPE: Journal; General Review
LANGUAGE: English
AB A review. Key human axilla malodorants are hexenoic acid and 3-hydroxy-3-methyl-hexanoic acid, accompanied by some 25 structurally related hydroxyalkanoic acids and alkenoic acids. These sweat acids are secreted in the axilla in the form of odorless glutamine conjugates and are released upon enzymolysis by AMRE (axillary malodor releasing enzyme), produced by Corynebacteria. The sulfanylalkanols represent another important group of axilla malodor compds. that are also secreted in the form of odorless precursors. The major precursors are cysteine-glycine sulfanylalkanol conjugates and the minor precursors are cysteine sulfanylalkanol conjugates. The release occurs upon action of a β-lyase of axilla bacteria. Besides the classical approaches of axilla malodor masking using fragrances, the use of chems. to neutralize malodorants is described. The elucidation of the biochem. of the sweat acid release has allowed the development of fragrance precursors that act as competitive substrates to the natural malodor precursors as well as the development of specific antagonists that block AMRE. Finally, the characterization and functional expression of a first human malodor receptor presents an interesting approach for future development of axilla malodor blockers.
IT 58888-76-9, 3-Hydroxy-3-methyl-hexanoic acid
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(human axilla malodor biochem. and chemical of deodorant ingredients)
RN 58888-76-9 CAPLUS
CN Hexanoic acid, 3-hydroxy-3-methyl- (CA INDEX NAME)



REFERENCE COUNT: 57 THERE ARE 57 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 2 OF 8 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2006:1279662 CAPLUS
DOCUMENT NUMBER: 146:32449

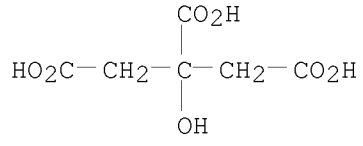
TITLE: Oil-containing deodorizing aerosol compositions having skin-cooling active substances
INVENTOR(S): Emmerling, Winfried; Heinsohn, Ulrike
PATENT ASSIGNEE(S): Henkel Kommanditgesellschaft Auf Aktien, Germany
SOURCE: PCT Int. Appl., 20pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006128622	A2	20061207	WO 2006-EP4931	20060524
WO 2006128622	A3	20070315		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
DE 102005025495	A1	20061214	DE 2005-102005025495	20050601
AU 2006254359	A1	20061207	AU 2006-254359	20060524
EP 1888012	A2	20080220	EP 2006-753830	20060524
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR				
US 20080124282	A1	20080529	US 2007-948192	20071130
PRIORITY APPLN. INFO.:			DE 2005-102005025495A	20050601
			WO 2006-EP4931 W	20060524

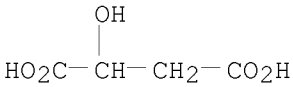
AB The invention relates to essentially alc.-free deodorizing aerosol compns., which contain selected oils, a skin-cooling active substance, a deodorizing active substance and a propellant gas. Thus a composition contained (weight/weight%): iso-Pr myristate 5.0; tri-Et citrate 2.9; phenoxyethanol 0.5; Proctate HR 0.2; α-(2-ethylhexyl)glycerin ether 0.3; diglycerin monocaprinate 0.2; Optacool A (not encapsulated) 0.1; perfume (not encapsulated) 1.0; n-butane to 100.

IT 77-92-9, Citric acid, biological studies 6915-15-7, Malic acid
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(oil-containing deodorizing aerosol compns. having skin-cooling active substances)

RN 77-92-9 CAPLUS
CN 1,2,3-Propanetricarboxylic acid, 2-hydroxy- (CA INDEX NAME)

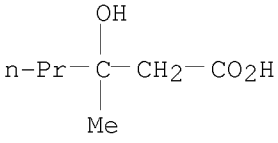


RN 6915-15-7 CAPLUS
CN Butanedioic acid, 2-hydroxy- (CA INDEX NAME)



REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

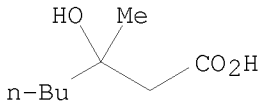
L10 ANSWER 3 OF 8 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2006:104126 CAPLUS
DOCUMENT NUMBER: 145:184938
TITLE: A broad diversity of volatile carboxylic acids, released by a bacterial aminoacylase from axilla secretions, as candidate molecules for the determination of human-body odor type
AUTHOR(S): Natsch, Andreas; Derrer, Samuel; Flachsmann, Felix; Schmid, Joachim
CORPORATE SOURCE: Givaudan Schweiz AG, Duebendorf, CH-8600, Switz.
SOURCE: Chemistry & Biodiversity (2006), 3(1), 1-20
CODEN: CBHIAM; ISSN: 1612-1872
PUBLISHER: Verlag Helvetica Chimica Acta AG
DOCUMENT TYPE: Journal
LANGUAGE: English
AB Human body odor is to a large part determined by secretions of glands in the axillary regions. Two key odoriferous principles, 3-methylhex-2-enoic acid (3MH2; 4/5) and 3-hydroxy-3-methylhexanoic acid (HMHA; 6) have been shown to be released from glutamine conjugates secreted in the axilla by a specific Nα-acyl-glutamine aminoacylase (N-AGA) obtained from axilla isolates of Corynebacteria sp. However, the low number of different odorants reported in humans stands in contrast to the observed high inter-individual variability in body odors. Axilla secretions of individual donors were, therefore, analyzed in detail. The secretions were treated with N-AGA, analyzed by GC/MS, and compared to undigested controls. Over 28 different carboxylic acids were released by this enzyme from odorless axilla secretions (Table 1). Many of these body odorants have not been reported before from a natural source, and they include several aliphatic 3-hydroxy acids with 4-Me branches, 3,4-unsatd., 4-Et-branched aliphatic acids, and a variety of degradation products of amino acids. The odor threshold of some of the acids was found to be in the range of 1 ng. Most of these compds. were present in all donors tested, but in highly variable relative amts., and they are, thus, candidate mols. as key components of a 'compound odor' determining the individual types of human body odor.
IT 58888-76-9 59866-91-0 160595-71-1
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(volatile carboxylic acids from axilla secretions, as candidate mols. for determination of human-body odor type)
RN 58888-76-9 CAPLUS
CN Hexanoic acid, 3-hydroxy-3-methyl- (CA INDEX NAME)



RN 59866-91-0 CAPLUS
CN Hexanoic acid, 3-hydroxy-4-methyl- (CA INDEX NAME)

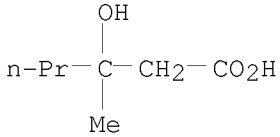
*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN 160595-71-1 CAPLUS

CN Heptanoic acid, 3-hydroxy-3-methyl- (CA INDEX NAME)



REFERENCE COUNT: 28 THERE ARE 28 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 4 OF 8 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2005:329511 CAPLUS
DOCUMENT NUMBER: 143:332012
TITLE: Isolation of a bacterial enzyme releasing axillary malodor and its use as a screening target for novel deodorant formulations
AUTHOR(S): Natsch, A.; Gfeller, H.; Gygax, P.; Schmid, J.
CORPORATE SOURCE: Givaudan Schweiz AG, Duebendorf, CH-8600, Switz.
SOURCE: International Journal of Cosmetic Science (2005), 27(2), 115-122
CODEN: IJCMDW; ISSN: 0142-5463
PUBLISHER: Blackwell Publishing Ltd.
DOCUMENT TYPE: Journal
LANGUAGE: English
AB Axillary odor is known since 50 years to be formed upon the action of Corynebacteria on odorless axilla secretions, but the nature of the bacterial enzymes involved in this process remained a mystery. The authors identified the known axilla odor determinant 3-methyl-2-hexenoic acid in hydrolyzed axilla secretions along with a new, chemical related compound, 3-hydroxy-3-methyl-hexanoic acid. The natural, odorless precursors of both these acids were purified from non-hydrolyzed fresh axilla secretions. The malodorous acids were shown to be covalently linked to a glutamine residue in fresh axilla secretions. Corynebacteria, but not Staphylococci, isolated from the axilla were found to release the acids from these precursors in vitro. A Zn2+-dependent aminoacylase mediating this cleavage was then purified from Corynebacterium striatum Ax20 and the corresponding gene agaA was cloned and heterologously expressed in Escherichia coli. Based on these biochem. findings, novel approaches in research on axilla malodor control are presented: (a) With a new test method using the isolated Corynebacteria and their enzymic activity, the direct malodor-controlling activity of existing cosmetic ingredients was evaluated. (b) The structure of the natural malodor precursor was modified by replacing the malodor acid with fragrance mols. These new fragrance precursors were shown to be cleaved by the same aminoacylase.
IT 58888-76-9P, 3-Hydroxy-3-methyl-hexanoic acid
RL: ANT (Analyte); PUR (Purification or recovery); ANST (Analytical study); PREP (Preparation)
(isolation of bacterial enzyme releasing axillary malodor)
RN 58888-76-9 CAPLUS
CN Hexanoic acid, 3-hydroxy-3-methyl- (CA INDEX NAME)



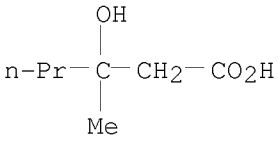
REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 5 OF 8 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2005:19524 CAPLUS
DOCUMENT NUMBER: 142:313793
TITLE: Identification of new odoriferous compounds in human axillary sweat
AUTHOR(S): Hasegawa, Yoshihiro; Yabuki, Masayuki; Matsukane, Masamoto
CORPORATE SOURCE: Perfumery Development Research Laboratory, Kao Corporation, Tokyo, Japan
SOURCE: Chemistry & Biodiversity (2004), 1(12), 2042-2050
CODEN: CBHIAM; ISSN: 1612-1872
PUBLISHER: Verlag Helvetica Chimica Acta AG
DOCUMENT TYPE: Journal
LANGUAGE: English

AB 3-Hydroxy-3-methylhexanoic acid (1) and the 3-sulfanylalkan-1-ols (2-5) were identified to contribute to the odor of human axillary sweat. Quant. analyses of axillary sweat exts. from 50 healthy men showed an unambiguous correlation between the detected levels of 1 and the intensity of the axillary odor. Chiral-GC analyses revealed 1 to be a 72: 28 mixture of the (S)/(R)-isomers. Optically pure (S)-1 (> 97% ee) emanated a strong spicy note, which recalled typical axillary odors.
3-Methyl-3-sulfanylhexan-1-ol (2), the enantiomeric ratio of which equaled that of 1, was present in greater quantity than any of the other 3-sulfanylalkanols. Optically pure (S)-2 (> 97% ee) had a strong meaty, fruity note, also reminiscent of axillary odor. The compds. identified, in particular (S)-1 and (S)-2, contribute significantly to the olfactory impression of human axillary odor.

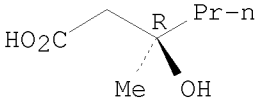
IT 58888-76-9P, 3-Hydroxy-3-methylhexanoic acid 757219-24-2P
757219-38-8P
RL: BSU (Biological study, unclassified); PRP (Properties); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(identification of new odoriferous compds. in human axillary sweat)

RN 58888-76-9 CAPLUS
CN Hexanoic acid, 3-hydroxy-3-methyl- (CA INDEX NAME)



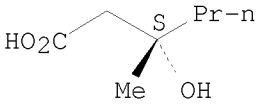
RN 757219-24-2 CAPLUS
CN Hexanoic acid, 3-hydroxy-3-methyl-, (3R)- (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



RN 757219-38-8 CAPLUS
CN Hexanoic acid, 3-hydroxy-3-methyl-, (3S)- (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



REFERENCE COUNT: 19 THERE ARE 19 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 6 OF 8 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2004:754422 CAPLUS
DOCUMENT NUMBER: 141:282457
TITLE: Pseudo-body odor composition and perfume composition for inhibiting body odor
INVENTOR(S): Ogura, Miharu; Sakurai, Kazutoshi; Sawano, Kiyohito; Yamazaki, Sadahiko; Hirano, Koji
PATENT ASSIGNEE(S): Takasago International Corporation, Japan
SOURCE: PCT Int. Appl., 111 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004078154	A1	20040916	WO 2004-JP2300	20040226
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO				
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
JP 2004263102	A	20040924	JP 2003-56017	20030303
JP 2004262900	A	20040924	JP 2003-57462	20030304
AU 2004218560	A1	20040916	AU 2004-218560	20040226
EP 1601338	A1	20051207	EP 2004-714939	20040226
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
CN 1756525	A	20060405	CN 2004-80005817	20040226
CN 100356901	C	20071226		
US 20060159639	A1	20060720	US 2005-547638	20050901

PRIORITY APPLN. INFO.:

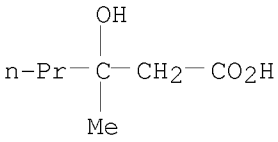
JP 2003-56017	A	20030303
JP 2003-57462	A	20030304
WO 2004-JP2300	A	20040226

AB A pseudo-body odor composition according to the present invention comprises (A) at least one compound selected from hydroxyalkynyl carboxylic acids having 5 to 8 carbon atoms and alkenyl carboxylic acids having 5 to 8 carbon atoms and one double bond; (B) at least one compound selected from fatty acids having 2 to 24 carbon atoms; and (C) at least one compound selected from aldehydes having 2 to 13 carbon atoms. A deodorant perfume composition according to the invention includes one or more components that are excellent in masking effect and/or a harmonizing effect to an acid odor selected from hydroxyalkynyl carboxylic acids having 5 to 8 carbon atoms and alkenyl carboxylic acids having 5 to 8 carbon atoms and one double bond. For example, a composition that obviously senses the body odor likeliness, in particular as a sweat odor and armpit odor, contained 3-hydroxy-3-methylhexanoic acid (enantiomer ratio R/S of 1:3) 13.00, 3-methyl-2-hexenoic acid (trans/cis isomers ratio of 1:1) 5.00, acetic acid 11.85, isobutanoic acid 3.95, butanoic acid 0.79, isovaleric acid

3.95, hexanoic acid 0.79, heptanoic acid 0.79, octanoic acid 0.79, nonanoic acid 0.79, lactic acid 55.30, hexyl aldehyde 0.60, octyl aldehyde 0.36, nonyl aldehyde 0.09, decyl aldehyde 0.90, undecyl aldehyde 0.60, dodecyl aldehyde 0.23, benzyl benzoate 0.23, and tri-Et citrate 5.00%, resp. Perfume compns. were also given and evaluated for their masking or harmonizing effects using a 2 cm x 2 cm filter paper with 200 μL of a pseudo body odor composition obtained.

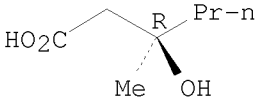
IT 58888-76-9, 3-Hydroxy-3-methylhexanoic acid 757219-24-2 757219-38-8
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(pseudo-body odor composition containing aldehydes, carboxylic acids and fatty acids for evaluation of deodorant perfumes for inhibiting body odor)

RN 58888-76-9 CAPLUS
CN Hexanoic acid, 3-hydroxy-3-methyl- (CA INDEX NAME)



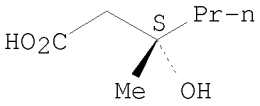
RN 757219-24-2 CAPLUS
CN Hexanoic acid, 3-hydroxy-3-methyl-, (3R)- (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



RN 757219-38-8 CAPLUS
CN Hexanoic acid, 3-hydroxy-3-methyl-, (3S)- (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 7 OF 8 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2004:308604 CAPLUS
DOCUMENT NUMBER: 140:326641
TITLE: Indicator for assessing body odor, process for producing the same, body odor assessment method, method of assessing efficaciousness of deodorant and kit for conveniently assessing body odor
INVENTOR(S): Yabuki, Masayuki; Hasegawa, Yoshihiro; Matsukane, Masamoto; Yabe, Emi
PATENT ASSIGNEE(S): Kao Corporation, Japan
SOURCE: PCT Int. Appl., 86 pp.
CODEN: PIXXD2

DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004031766	A1	20040415	WO 2003-JP12793	20031006
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RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2003268776	A1	20040423	AU 2003-268776	20031006
JP 2004309454	A	20041104	JP 2003-346586	20031006
JP 4113825	B2	20080709		
EP 1553411	A1	20050713	EP 2003-748731	20031006
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
JP 2005017272	A	20050120	JP 2004-83654	20040322
JP 4081034	B2	20080423		
US 20060160240	A1	20060720	US 2005-529897	20051216

PRIORITY APPLN. INFO.:

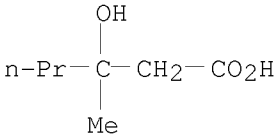
JP 2002-293104	A	20021004
JP 2003-83801	A	20030325
JP 2003-116582	A	20030422
JP 2003-160082	A	20030604
JP 2003-346586	A	20031006
WO 2003-JP12793	W	20031006

OTHER SOURCE(S): MARPAT 140:326641

AB Disclosed is an indicator for assessing body odor containing at least one member selected from the group consisting of (A) a β-hydroxycarboxylic acid compound R1C(OH)(R2)CH2COOH (R1 = C1-4 alkyl; R2 = H, C1-4 alkyl; total number of C is ≤ 10), (B) a derivative of the above compound A, (C) an alc. compound having a mercapto group at the 3-position HSC(R3)(R4)CH(R5)CH2OH (R3 = H, Me; R4 = C1-3 alkyl R5 = H, Meas ; total number of C is ≤ 8), and (D) a derivative of the above compound C, especially 3-hydroxy-3-methylhexanoic acid and 3-mercapto-3-methylhexanol. Also it is intended to provide a process for producing the above compound C which comprises incubating human-origin perspiration in an environment with an oxygen concentration of 10 volume/volume% or below. Further, it is intended to provide a kit for assessing human body odor which contains a color developing reagent reacting with a human perspiration-origin β-hydroxycarboxylic acid.

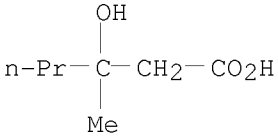
IT 58888-76-9P, 3-Hydroxy-3-methylhexanoic acid
RL: ANT (Analyte); BSU (Biological study, unclassified); PUR (Purification or recovery); ANST (Analytical study); BIOL (Biological study); PREP (Preparation)
(indicator for assessing body odor containing β-hydroxy carboxylates or 3-mercapto alcs., process for producing same, body odor assessment method, method of assessing efficaciousness of deodorant and kit for conveniently assessing body odor)

RN 58888-76-9 CAPLUS
CN Hexanoic acid, 3-hydroxy-3-methyl- (CA INDEX NAME)



REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 8 OF 8 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2003:122930 CAPLUS
DOCUMENT NUMBER: 139:2719
TITLE: A Specific Bacterial Aminoacylase Cleaves Odorant Precursors Secreted in the Human Axilla
AUTHOR(S): Natsch, Andreas; Gfeller, Hans; Gygax, Peter; Schmid, Joachim; Acuna, Gonzalo
CORPORATE SOURCE: Givaudan Duebendorf Ltd., Duebendorf, CH-8600, Switz.
SOURCE: Journal of Biological Chemistry (2003), 278(8), 5718-5727
CODEN: JBCHA3; ISSN: 0021-9258
PUBLISHER: American Society for Biochemistry and Molecular Biology
DOCUMENT TYPE: Journal
LANGUAGE: English
AB Human axillary odor is known to be formed upon the action of Corynebacteria sp. on odorless axilla secretions. The known axilla odor determinant 3-methyl-2-hexenoic acid was identified in hydrolyzed axilla secretions along with a chemical related compound, 3-hydroxy-3-methylhexanoic acid. The natural precursors of both these acids were purified from non-hydrolyzed axilla secretions. From liquid chromatog./mass spectrometry anal., it appeared that the acids are covalently linked to a glutamine residue in fresh axilla secretions, and the corresponding conjugates were synthesized for confirmation. Bacterial isolates obtained from the human axilla and belonging to the Corynebacteria were found to release the acids from these odorless precursors in vitro. A Zn2+-dependent aminoacylase mediating this cleavage was purified from Corynebacterium striatum Ax20, and the corresponding gene agaA was cloned and heterologously expressed in Escherichia coli. The enzyme is highly specific for the glutamine residue but has a low specificity for the acyl part of the substrate. agaA is closely related to many genes coding for enzymes involved in the cleavage of N-terminal acyl and aryl substituents from amino acids. This is the first report of the structure elucidation of precursors for human body odorants and the isolation of the bacterial enzyme involved in their cleavage.
IT 58888-76-9, 3-Hydroxy-3-methylhexanoic acid
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(anal. of hydrolyzed axilla secretions)
RN 58888-76-9 CAPLUS
CN Hexanoic acid, 3-hydroxy-3-methyl- (CA INDEX NAME)



REFERENCE COUNT: 33 THERE ARE 33 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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CLUSTER 'CASLINK' ENTERED

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 REGISTRY, MARPAT, and CAPLUS.


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COMBINATION OF STRUCTURE AND TEXT TERMS NOT VALID
The query entered contains both search terms created by
structure-building or screen commands and text search terms.  L#s
created via the STRUCTURE or SCREEN commands must be searched in the
structures files separately from text terms or profiles.  The L#
answer sets from structure searches can be used in crossover searches
and can be combined with text terms.

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L2           48 S L1 SSS SAM FILE=REGISTRY
L3           50 S L2 SSS SAM FILE=MARPAT
L4        23608 S L1 SSS FUL FILE=REGISTRY
L5        18972 S L4 SSS FUL FILE=MARPAT

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FILE COVERS 1907 - 24 Mar 2009  VOL 150 ISS 13
FILE LAST UPDATED: 23 Mar 2009  (20090323/ED)

Caplus now includes complete International Patent Classification (IPC)
reclassification data for the third quarter of 2008.

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This file contains CAS Registry Numbers for easy and accurate
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L14  ANSWER 1 OF 3  CAPLUS  COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER:         2006:768974  CAPLUS
DOCUMENT NUMBER:          145:181018
TITLE:                    Inhibition of sweat malodor
INVENTOR(S):              Starkenmann, Christian; Clark, Anthony; Troccaz,
                          Myriam; Niclass, Yvan
PATENT ASSIGNEE(S):       Firmenich SA, Switz.
SOURCE:                   PCT Int. Appl., 36pp.
                          CODEN: PIXXD2
DOCUMENT TYPE:            Patent
LANGUAGE:                 English
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.           KIND   DATE        APPLICATION NO.        DATE
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     WO 2006079934         A2    20060803    WO 2006-IB50098        20060111
     WO 2006079934         A3    20061116
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
             CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
             GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR,
             KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX,
             MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE,
             SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC,
             VN, YU, ZA, ZM, ZW
         RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
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IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

EP 1846436 A2 20071024 EP 2006-704528 20060111
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR

CN 101107263 A 20080116 CN 2006-80003050 20060111
US 20080025935 A1 20080131 US 2007-779462 20070718
IN 2007KN02817 A 20070907 IN 2007-KN2817 20070801
PRIORITY APPLN. INFO.: EP 2005-100619 A 20050131
US 2005-647777P P 20050131
WO 2006-IB50098 W 20060111
OTHER SOURCE(S): MARPAT 145:181018
AB The present invention relates to a method for screening compds. having the ability to prevent, treat or reduce malodor development on body surfaces. In particular, the method allows to efficiently screen for compound having the ability of preventing sweat malodor development caused by volatile sulfur compds. (VSCs). The present invention is based on the finding of the direct precursor of naturally VSCs, which is present in human sweat and which will be metabolized by Staphylococci to VSCs.
REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L14 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2004:308604 CAPLUS
DOCUMENT NUMBER: 140:326641
TITLE: Indicator for assessing body odor, process for producing the same, body odor assessment method, method of assessing efficaciousness of deodorant and kit for conveniently assessing body odor
INVENTOR(S): Yabuki, Masayuki; Hasegawa, Yoshihiro; Matsukane, Masamoto; Yabe, Emi
PATENT ASSIGNEE(S): Kao Corporation, Japan
SOURCE: PCT Int. Appl., 86 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004031766	A1	20040415	WO 2003-JP12793	20031006
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2003268776	A1	20040423	AU 2003-268776	20031006
JP 2004309454	A	20041104	JP 2003-346586	20031006
JP 4113825	B2	20080709		
EP 1553411	A1	20050713	EP 2003-748731	20031006
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
JP 2005017272	A	20050120	JP 2004-83654	20040322
JP 4081034	B2	20080423		

US 20060160240 A1 20060720 US 2005-529897 20051216
PRIORITY APPLN. INFO.: JP 2002-293104 A 20021004
JP 2003-83801 A 20030325
JP 2003-116582 A 20030422
JP 2003-160082 A 20030604
JP 2003-346586 A 20031006
WO 2003-JP12793 W 20031006
OTHER SOURCE(S): MARPAT 140:326641
AB Disclosed is an indicator for assessing body odor containing at least one member selected from the group consisting of (A) a β-hydroxycarboxylic acid compound R1C(OH)(R2)CH2COOH (R1 = C1-4 alkyl; R2 = H, C1-4 alkyl; total number of C is ≤ 10), (B) a derivative of the above compound A, (C) an alc. compound having a mercapto group at the 3-position HSC(R3)(R4)CH(R5)CH2OH (R3 = H, Me; R4 = C1-3 alkyl R5 = H, Meas ; total number of C is ≤ 8), and (D) a derivative of the above compound C, especially 3-hydroxy-3-methylhexanoic acid and 3-mercapto-3-methylhexanol. Also it is intended to provide a process for producing the above compound C which comprises incubating human-origin perspiration in an environment with an oxygen concentration of 10 volume/volume% or below. Further, it is intended to provide a kit for assessing human body odor which contains a color developing reagent reacting with a human perspiration-origin β-hydroxycarboxylic acid.
REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L14 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2002:594647 CAPLUS
DOCUMENT NUMBER: 137:145224
TITLE: An ATPase inhibitor-containing cosmetic products for the reduction of sweat acidity
INVENTOR(S): Beck, Jonathan Samuel; Burry, Jason Shaun; Evans, Richard Livesey; Granger, Dominic; Laprade, Raynald; Marsolais, Mireille
PATENT ASSIGNEE(S): Unilever PLC, UK; Unilever NV; Hindustan Lever Limited
SOURCE: PCT Int. Appl., 35 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002060402	A1	20020808	WO 2002-EP670	20020121
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2002228060	A1	20020812	AU 2002-228060	20020121
US 20020146376	A1	20021010	US 2002-66183	20020131
US 6509010	B2	20030121		

PRIORITY APPLN. INFO.: GB 2001-2562 A 20010201
WO 2002-EP670 W 20020121
OTHER SOURCE(S): MARPAT 137:145224
AB A cosmetic method of reducing the acidity of sweat excreted from human eccrine glands comprises the topical application of a vacuolar-type

H+-ATPase (V-ATPase) inhibitor to the skin in the vicinity of the eccrine glands. The method may result in a range of benefits, including enhanced appreciation of topically-applied perfume and enhanced efficacy of topically-applied antiperspirant salt. Cosmetic products and compns. comprising a V-ATPase inhibitor and selected other components are also claimed. For example, olygomycin (at 20 μg/mL), bafilomycin A1 (at 6.2 μg/mL), and concanamycin A (at 0.1 μg/mL) all inhibit proton transfer out of the cells of the reabsorptive duct affecting the pH recovery by 12, 27, and 5%, resp., compared to 100% pH recovery in the control (no V-ATPase inhibitor).

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	11.00	640.47

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-2.46	-9.02

FILE 'CAPLUS' ENTERED AT 11:40:14 ON 24 MAR 2009
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FILE COVERS 1907 - 24 Mar 2009 VOL 150 ISS 13
FILE LAST UPDATED: 23 Mar 2009 (20090323/ED)

Caplus now includes complete International Patent Classification (IPC) reclassification data for the third quarter of 2008.

CAS Information Use Policies apply and are available at:

http://www.cas.org/legal/infopolicy.html

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> e us2005-529897/ap

E58	1	US2005-529895/AP
E59	1	US2005-529896/AP
E60	1 -->	US2005-529897/AP
E61	1	US2005-529898/AP
E62	1	US2005-529899/AP
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E64	1	US2005-529901/AP
E65	1	US2005-529902/AP
E66	1	US2005-529904/AP

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E67          1     US2005-529905/AP
E68          1     US2005-529908/AP
E69          1     US2005-529911/AP

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L15          1 US2005-529897/AP

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L15  ANSWER 1 OF 1  CAPLUS  COPYRIGHT 2009 ACS on STN
AN   2004:308604  CAPLUS
DN   140:326641
ED   Entered STN:  15 Apr 2004
TI   Indicator for assessing body odor, process for producing the same, body
     odor assessment method, method of assessing efficaciousness of deodorant
     and kit for conveniently assessing body odor
IN   Yabuki, Masayuki; Hasegawa, Yoshihiro; Matsukane, Masamoto; Yabe, Emi
PA   Kao Corporation, Japan
SO   PCT Int. Appl., 86 pp.
     CODEN: PIXXD2
DT   Patent
LA   Japanese
IC   ICM  G01N033-497
     ICS  G01N033-15; C11B009-00; A61K007-46
CC   62-4 (Essential Oils and Cosmetics)
     Section cross-reference(s): 9
FAN.CNT 1
     PATENT NO.          KIND   DATE        APPLICATION NO.        DATE
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PI   WO 2004031766        A1    20040415    WO 2003-JP12793        20031006
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             CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE,
             GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KP, KR, KZ, LC, LK, LR,
             LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM,
             PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN,
             TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
         RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
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             FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR,
             BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
     AU 2003268776         A1    20040423    AU 2003-268776         20031006
     JP 2004309454         A     20041104    JP 2003-346586         20031006
     JP 4113825            B2    20080709
     EP 1553411            A1    20050713    EP 2003-748731         20031006
         R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK
     JP 2005017272         A     20050120    JP 2004-83654          20040322
     JP 4081034            B2    20080423
     US 20060160240        A1    20060720    US 2005-529897         20051216 <--
PRAI JP 2002-293104        A     20021004
     JP 2003-83801         A     20030325
     JP 2003-116582        A     20030422
     JP 2003-160082        A     20030604
     JP 2003-346586        A     20031006
     WO 2003-JP12793       W     20031006
CLASS
 PATENT NO.       CLASS  PATENT FAMILY CLASSIFICATION CODES
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 WO 2004031766    ICM    G01N033-497
                  ICS    G01N033-15; C11B009-00; A61K007-46
                  IPCI   G01N0033-497 [ICM,7]; G01N0033-483 [ICM,7,C*];
                         G01N0033-15 [ICS,7]; C11B0009-00 [ICS,7]; A61K0007-46
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		[ICS,7]
	IPCR	A61K0008-02 [I,C*]; A61K0008-02 [I,A]; A61Q0015-00 [I,C*]; A61Q0015-00 [I,A]; C09B0026-00 [I,C*]; C09B0026-02 [I,A]; G01N0033-483 [I,C*]; G01N0033-497 [I,A]
	ECLA	A61K008/02; A61Q015/00; C09B026/02; G01N033/497; K61K
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	IPCR	A61K0008-02 [I,C*]; A61K0008-02 [I,A]; A61Q0015-00 [I,C*]; A61Q0015-00 [I,A]; C09B0026-00 [I,C*]; C09B0026-02 [I,A]; G01N0033-483 [I,C*]; G01N0033-497 [I,A]
	ECLA	A61K008/02; A61Q015/00; C09B026/02; G01N033/497; K61K
JP 2004309454	IPCI	G01N0033-52 [I,A]; C07C0059-105 [I,A]; C07C0059-00 [I,C*]; G01N0021-77 [I,A]; G01N0021-78 [I,A]; G01N0033-50 [I,A]
	IPCR	C07C0059-00 [I,C*]; C07C0059-105 [I,A]; G01N0021-77 [I,A]; G01N0021-77 [I,C*]; G01N0021-78 [I,A]; G01N0033-50 [I,A]; G01N0033-50 [I,C*]; G01N0033-52 [I,A]; G01N0033-52 [I,C*]
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EP 1553411	IPCI	G01N0033-497 [ICM,7]; G01N0033-483 [ICM,7,C*]; G01N0033-15 [ICS,7]; C11B0009-00 [ICS,7]; A61K0007-46 [ICS,7]
	IPCR	A61K0008-02 [I,C*]; A61K0008-02 [I,A]; A61Q0015-00 [I,C*]; A61Q0015-00 [I,A]; C09B0026-00 [I,C*]; C09B0026-02 [I,A]; G01N0033-483 [I,C*]; G01N0033-497 [I,A]
	ECLA	A61K008/02; A61Q015/00; C09B026/02; G01N033/497; K61K
JP 2005017272	IPCI	G01N0033-50 [I,A]; G01N0021-78 [I,A]; G01N0021-77 [I,C*]; G01N0033-15 [I,A]; G01N0033-497 [I,A]; G01N0033-483 [I,C*]; G01N0033-52 [I,A]; C09K0003-00 [N,A]
	IPCR	C09K0003-00 [N,A]; C09K0003-00 [N,C*]; G01N0021-77 [I,C*]; G01N0021-78 [I,A]; G01N0033-15 [I,A]; G01N0033-15 [I,C*]; G01N0033-483 [I,C*]; G01N0033-497 [I,A]; G01N0033-50 [I,A]; G01N0033-50 [I,C*]; G01N0033-52 [I,A]; G01N0033-52 [I,C*]
	FTERM	2G045/AA40; 2G045/BB50; 2G045/BB51; 2G045/CB12; 2G045/DA02; 2G045/FA18; 2G045/FB11; 2G045/GC12; 2G054/AA10; 2G054/AB10; 2G054/BB01; 2G054/BB02; 2G054/BB07; 2G054/BB08; 2G054/BB13; 2G054/CA30; 2G054/CB02; 2G054/CB03; 2G054/CD04; 2G054/CE01; 2G054/EA06; 2G054/EB05; 2G054/GB04
US 20060160240	IPCI	G01N0033-00 [I,A]
	IPCR	G01N0033-00 [I,A]; A61K0008-02 [I,C*]; A61K0008-02 [I,A]; A61Q0015-00 [I,C*]; A61Q0015-00 [I,A]; C09B0026-00 [I,C*]; C09B0026-02 [I,A]; G01N0033-00 [I,C]; G01N0033-483 [I,C*]; G01N0033-497 [I,A]
	NCL	436/166.000; 436/106.000
	ECLA	A61K008/02; A61Q015/00; C09B026/02; G01N033/497; K61K

OS MARPAT 140:326641

AB Disclosed is an indicator for assessing body odor containing at least one member selected from the group consisting of (A) a β-hydroxycarboxylic acid compound R1C(OH)(R2)CH2COOH (R1 = C1-4 alkyl; R2 = H, C1-4 alkyl; total number of C is ≤ 10), (B) a derivative of the

above compound A, (C) an alc. compound having a mercapto group at the 3-position HSC(R3)(R4)CH(R5)CH2OH (R3 = H, Me; R4 = C1-3 alkyl R5 = H, Meas ; total number of C is ≤ 8), and (D) a derivative of the above compound C, especially 3-hydroxy-3-methylhexanoic acid and 3-mercapto-3-methylhexanol. Also it is intended to provide a process for producing the above compound C which comprises incubating human-origin perspiration in an environment with an oxygen concentration of 10 volume/volume% or below. Further, it is intended to provide a kit for assessing human body odor which contains a color developing reagent reacting with a human perspiration-origin β-hydroxycarboxylic acid.

ST hydroxy carboxylate body odor indicator; mercapto alc body odor indicator; deodorant assessment hydroxy carboxylate mercapto alc

IT Carboxylic acids, biological studies
RL: ANT (Analyte); BSU (Biological study, unclassified); PUR (Purification or recovery); ANST (Analytical study); BIOL (Biological study); PREP (Preparation)
(hydroxy; indicator for assessing body odor containing β-hydroxy carboxylates or 3-mercapto alcs., process for producing same, body odor assessment method, method of assessing efficaciousness of deodorant and kit for conveniently assessing body odor)

IT Deodorants (personal)
Human
Odor and Odorous substances
Sweat
(indicator for assessing body odor containing β-hydroxy carboxylates or 3-mercapto alcs., process for producing same, body odor assessment method, method of assessing efficaciousness of deodorant and kit for conveniently assessing body odor)

IT Alcohols, biological studies
RL: ANT (Analyte); BSU (Biological study, unclassified); PUR (Purification or recovery); ANST (Analytical study); BIOL (Biological study); PREP (Preparation)
(indicator for assessing body odor containing β-hydroxy carboxylates or 3-mercapto alcs., process for producing same, body odor assessment method, method of assessing efficaciousness of deodorant and kit for conveniently assessing body odor)

IT 51755-83-0P, 3-Mercaptohexanol 58888-76-9P, 3-Hydroxy-3-methylhexanoic acid 227456-27-1P 227456-33-9P 307964-23-4P 548740-99-4P
RL: ANT (Analyte); BSU (Biological study, unclassified); PUR (Purification or recovery); ANST (Analytical study); BIOL (Biological study); PREP (Preparation)
(indicator for assessing body odor containing β-hydroxy carboxylates or 3-mercapto alcs., process for producing same, body odor assessment method, method of assessing efficaciousness of deodorant and kit for conveniently assessing body odor)

IT 10401-59-9, 9-Anthryldiazomethane
RL: ARG (Analytical reagent use); ANST (Analytical study); USES (Uses)
(indicator for assessing body odor containing β-hydroxy carboxylates or 3-mercapto alcs., process for producing same, body odor assessment method, method of assessing efficaciousness of deodorant and kit for conveniently assessing body odor)

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD

RE

(1) Andreas, N; The Journal of Biological Chemistry 2003, V278(8), P5718
(2) Chenhui, Z; Proceedings of the National Academy of Sciences of the United States of America 1996, V93, P6626
(3) Rennie, P; British Journal of Dermatology 1991, V124, P596 MEDLINE

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---Logging off of STN---

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CA SUBSCRIBER PRICE	-0.82	-9.84

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